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SWANSEA
HEALTH



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ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1948

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OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1948

PORT HEALTH OFFICES : 10, SOMERSET PLACE, SWANSEA.

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JURISDICTION OF THE PORT.

The limits of the jurisdiction of the Port Health Authority as defined by the Order constituting the Authority are as follows :—

“ All that part of the said Port of Swansea which lies on the landward side of a straight line drawn from the Mumbles Point to the South eastern extremity of the said Port at Nash Point, together with the waters of the said Port of Swansea, within such limits, and all docks, basins, harbours, creeks, rivers, channels, roads, bays and streams within the aforesaid limits, and the place or places which may from time to time be appointed as the Customs Boarding Station or Stations for such part of the said Port and the place or places for the time being appointed for the mooring or anchoring of ships for such part of the said Port under any Regulations for the prevention of the spread of diseases issued under the Authority of the Statutes in that behalf, and for the purposes of any Regulations as aforesaid shall also extend to any ship which in pursuance thereof, or of any directions given thereunder, shall be moored or anchored at the place appointed thereunder as aforesaid, or which shall be on its way thither.”

CONTRIBUTING AUTHORITIES.

The Contributing Riparian Authorities are the County Borough of Swansea, the Boroughs of Port Talbot and Neath, the Urban District of Porthcawl and the Rural Districts of Cowbridge, Neath and Penybont.

THE SWANSEA PORT HEALTH AUTHORITY

MEMBERS OF THE AUTHORITY :

County Borough of Swansea :

Councillor T. W. DAVIES.
 Councillor W. EVANS (Chairman).
 Councillor W. FRANCIS.
 Councillor D. A. JENKINS.
 Councillor G. JONES.
 Councillor Dr. I. H. JONES.
 Councillor A. WILLIS PILE.
 Councillor W. G. REES.
 Councillor C. THOMAS.
 Councillor W. P. THOMAS.

Neath Rural District Council :

Councillor J. T. EVANS, J.P. (Vice-Chairman).

Borough of Neath :

Alderman J. E. EMANUEL. Councillor T. HUGHES.

Borough of Port Talbot.:

Alderman H. GRIFFITHS. Councillor E. D. MORT.

Porthcawl Urban District Council :

Councillor G. GLENTON.

Cowbridge Rural District Council :

Councillor W. J. JENKINS.

Penybont Rural District Council :

Councillor R. I. NICHOLL.

Clerk to the Authority :

T. B. BOWEN, M.A. (Oxon.)

Treasurer to the Authority :

W. B. EMMETT.

Committee Clerk :

T. A. JONES, D.P.A.

PORT HEALTH STAFF :

Medical Officer of Health :

H. R. TIGHE, M.D., F.R.C.S., D.P.H.

Deputy Medical Officer of Health :

IDWAL PUGH, M.B., Ch.B., D.P.H.

Assistant Medical Officer of Health, Port Talbot :

H. R. FREDERICK, M.B., Ch.B.

Assistant Medical Officer of Health, Neath District :

T. IMRIE, M.B., Ch.B.

Chief Inspector and Rodent Executive Officer :

*J. A. DAVIES, C.R.S.I.

Assistant Inspectors, Swansea :

*H. W. BAXTER, C.R.S.I.

Retired April, 1948.

*H. BOWEN, C.R.S.I.

†*D. O. JENKINS, C.R.S.I.

T. H. HEARNE, C.R.S.I.

Retired April, 1948.

*T. J. RICHARDS, C.S.I.B.

Assistant Inspector, Port Talbot and Neath Districts :

H. P. EDWARDS, C.S.I.B.

Assistant Inspector, Porthcawl :

J. BENTLEY, B.E.M.

Rat-Searcher : P. H. JONES.

Medical Officer's Clerk : A. DAVIES.

Temporary Junior Clerk : Miss M. D. ACKLAND.

* Certificate for Meat and Foods.

† Master Mariner's Certificate.

Report of the Medical Officer of Health

TO THE CHAIRMAN AND MEMBERS OF THE
SWANSEA PORT HEALTH AUTHORITY.

GENTLEMEN,

I have the honour to present my Annual Report for the year 1948.

The amount of shipping which entered the Port during the year showed an increase of 986 vessels and of 659,248 tons, as compared with the previous year.

There was no case of any of the five "Convention Diseases"—plague, cholera, typhus, yellow fever, smallpox—during the year.

As it had again become possible to obtain advanced information with regard to shipping about to enter the Port, tidal watches by the Port Health Inspectors were discontinued.

The unauthorised boarding and leaving of vessels while subject to sanitary control, in contravention of Article 16 (1) of the Port Sanitary Regulations, 1933, still continued. Subsequent, however, to the termination of the year under review, there has been a successful prosecution with a substantial fine, which will, probably, have a deterrent effect and which, moreover, will ensure that your officers will not feel that they are without support in carrying out their duties.

The Annual Conference of the Association of Sea and Air Port Health Authorities was held in Swansea on May 12th, 13th and 14th. It was the first occasion on which the Association had held its Conference at this Port, and the meeting appeared to be very successful and enjoyable. The delegates were received and entertained at the Guildhall by His Worship The Mayor of Swansea.

The programme also included a tour of the Swansea Docks and of the National Oil Refinery, a cruise in the Bay on the Fishery Control boat, a visit to Port Talbot Docks, followed by Luncheon by invitation of the Mayor and Corporation of Port Talbot, visits to various factories and to the Swansea Corporation Housing estates, and to the Sewage Outfall, Reception and Dance at the Guildhall by invitation of the Mayor and Corporation of Swansea.

The following staff changes have taken place during the year. Your Port Talbot Inspector, Mr. I. J. Millership, resigned at the beginning of the year and was succeeded by Mr. H. P. Edwards in February. Inspectors H. W. Baxter and T. H. Hearne retired on superannuation in April. Consequent on the cessation of tidal watches, the last two Inspectors were not replaced.

I should here like to take the opportunity of recording recognition of the work of Mr. H. W. Baxter who, at the time of his retirement, was your Senior Inspector. Amongst his other duties, he had, for many years, been responsible for the inspection of all fish landed at the Market on the Fish Wharf. I considered him a very efficient and reliable Officer.

In conclusion, I thank all who have co-operated in the Port Health work, especially the Officers of H.M. Customs and the Officials of the Docks and Inland Waterways Executive, and express my appreciation of the support of the Authority, and of the assistance of the staff during my tenure of office which terminates in 1949.

I am, Gentlemen,

Your obedient servant,

H. R. TIGHE,
Port Medical Officer of Health.

Port Health Offices,
10, Somerset Place,
Swansea.

April, 1949.

I.—AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR.

TABLE A.

	Number	Tonnage	NUMBER INSPECTED.		Number reported to be defective	Number of Vessels on which defects were remedied	Number of Vessels which defects were found and reported to Ministry of Transport Surveyors	Number of Vessels reported as having had, or having had, during the voyage infectious disease on board
			By the Medical Officer of Health	By the Sanitary Inspector				
FOREIGN.								
Steamers ..	961	1,131,665	90	961	90	84	3	1
*Motor ..	634	389,035	29	634	5	4	—	—
Sailing ..	—	—	—	—	—	—	—	—
Fishing ..	274	22,506	2	274	—	—	—	—
TOTAL FOREIGN ..	1,869	1,543,206	121	1,869	95	88	3	1
COASTWISE.								
Steamers ..	1,988	1,040,731	2	1,046	69	58	2	1
*Motor ..	872	180,905	—	717	4	4	—	—
Sailing ..	6	3,266	—	1	—	—	—	—
Fishing ..	393	37,989	—	393	18	18	—	—
TOTAL COASTWISE	3,259	1,262,891	2	2,156	91	80	2	1
TOTALS, FOREIGN & COASTWISE ..	5,128	2,806,097	123	4,026	186	168	5	2

* Includes mechanically propelled vessels other than steamers.

The above figures of vessels arriving and inspected show an increase of 986 vessels as compared with the previous year, comprising increases of 359 in British and of 627 in Foreign vessels. British vessels totalled 2,714 and Foreign 1,312.

Amount of shipping that entered the individual ports within the jurisdiction of the Port Health Authority.

District	Foreign	Tonnage	Coast-wise	Tonnage	Total Number of Vessels	Total Tonnage
Swansea	1,501	1,208,133	2,501	1,004,775	4,002	2,212,908
Neath	19	5,114	297	38,611	316	43,725
Port Talbot	349	329,959	461	219,505	810	549,464
Porthcawl	—	—	—	—	—	—
TOTALS	1,869	1,543,206	3,259	1,262,891	5,128	2,806,097

II.—CHARACTER OF TRADE OF PORT.

TABLE B.

(a) Passenger Traffic during the year.

Number of Passengers	1st Class*	2nd Class*	3rd Class*	Trans-migrants
Inwards		299†		Nil.
Outwards		334‡		Nil.

* Class of passengers not recorded. † Port Talbot, 66. ‡ Port Talbot, 40.
Passengers arriving and leaving by the same vessel are not included.

(b) Cargo Traffic.

Principal Imports and Exports :—

SWANSEA.

IMPORTS.	Tons
Copper and Other Ores	96,912
Iron and Steel	85,134
Timber and Pitwood	56,407
Grain and Flour	49,477
Oil	1,098,725
General Merchandise	105,917
Building Sand	135,967
Fish	7,042
TOTAL	1,635,581

EXPORTS.	Tons
Coal and Coke	947,406
Patent Fuel	159,916
Iron and Steel	65,518
Tinplates	103,068
Cement	8,581
Grain and Flour	4,099
Oil	356,939
General Merchandise	99,621
Ballast	8,796
TOTAL	1,758,944
TOTAL IMPORTS AND EXPORTS ..	3,394,525

PORT TALBOT.

IMPORTS.	Tons
Iron Ore	594,171
Iron and Steel	9,080
Timber and Pitwood	72,597
General Merchandise	14,688
Building Sand	1,518
Ballast	225
TOTAL	692,279
EXPORTS.	Tons
Coal and Coke	250,646
Iron and Steel	11,054
Tinplates	251
Oil	547
General Merchandise	77,735
Ballast	309
TOTAL	340,542
TOTAL IMPORTS AND EXPORTS ..	1,032,821

NEATH AND BRITON FERRY.

IMPORTS.	Tons
Vessels for breaking up ..	36,039
Sand and Gravel	121,136
Iron Ore	10,897
Scrap	536
TOTAL	168,608
EXPORTS	Nil.

GRAND TOTAL IMPORTS AND EXPORTS 4,595,954

MEDICAL INSPECTION OF ALIENS.

ANNUAL RETURN BY THE MEDICAL INSPECTOR OF ALIENS FOR THE YEAR ENDED 31ST DECEMBER, 1948.

	Total	Number Inspected by the Medical Inspector	Number subjected to detailed examination by the Medical Inspector	CERTIFICATES ISSUED.					Trans- migrants
				Lunatic idiot or M.D.	Undesirable for medical reasons	Physically incapacitated	Suffering from acute infectious disease	Landing necessary for adequate medical examination	
(a) Total number of Aliens landing at the Port ..	104*	18	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
(b) Aliens refused per- mission to land by Immigration Officer ..	7	—	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
(c) Transmigrants ..	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
TOTAL ALIENS ARRIVING AT THE PORT ..	111*	18	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.

Total number of vessels carrying Alien passengers, 18.

Number of vessels dealt with by the Medical Inspector, 6.

* Port Talbot, 66.

(c) Foreign Ports from which Vessels arrive.

Vessels arrived from the following countries and ports :—

COUNTRY.	PORTS.
Algeria	Algiers, Oran.
Australia	Fremantle, Port Pirie, Sydney.
Belgium	Antwerp, Ghent.
British West Indies	Trinidad.
Canada	Halifax, N.S., Montreal, Port Alfred, St. John, N.B.
Cuba	Cienfuegos.
Denmark	Aalborg, Copenhagen.
Egypt	Port Said, Suez.
Faroe Islands	Thorshaven.
Finland	Frederikshamn, Kemi, Montyluoto, Yxpila.
France	Arromanches, Basse Indre, Bayonne, Blaye, Bordeaux, Boulogne, Brest, Caen, Calais, Cherbourg, Dieppe, Fecamp, Granville, Havre, La Pallice, Lorient, Nantes, Rochefort, Roscoff, Rouen, Sables d'Olonne, St. Malo, St. Nazaire, Treport.
French Morocco	Beni-Saf, Casablanca.
Germany	Brake, Bremen, Emden, Hamburg.
Greece	Mega Livahdi, Seriphos.
Iceland	Reykjavik.
Iran	Abadan, Bandar Mashur, Bandar Shapur.
Iraq	Basrah.
Italy (including Sicily and Sardinia)	Cagliari, Trapani.
Koweit	Fahaheel.
Lebanon	Tripoli.
Malta	Valetta.
Netherlands	Amsterdam, Delfzijl, Harlingen, Rotterdam, Terneuzen, Ymuiden.
Netherlands West Indies	Aruba, Curacao.
Norway	Oslo, Narvik.
Palestine	Haifa.
Portugal	Lisbon.
Portuguese East Africa	Beira.
Saudi Arabia	Ras Tanura.
Spain	Bilbao, Cartagena, Corunna, Pasages, San Sebastian, Vigo.
Spanish Morocco	Ceuta.
Straits Settlements	Singapore.
Sweden	Ahus, Gefle, Gothenburg.
Tunisia	Sfax, Tunis.
Turkey	Istanbul.
United States of America	Baltimore, Charleston, Galveston, New York, Norfolk, Va., Port Sulphur.
U.S.S.R.	Leningrad.

OIL TRADE.

Swansea is one of the principal oil ports and distributing centres in the country. A regular service of tank steamers of 8,000 to 12,000 tons capacity bring the crude oil from the Persian Gulf. Oil also comes from the American oil fields.

FISH TRADE.

The Consolidated Fisheries Limited of Grimsby, has a base here with a fleet of modern deep sea trawlers. The chief fishing grounds are off the west coast of Ireland. There is an ice factory in connection with the industry. The Company also has a fish meal factory at the Queen's Dock, where condemned or unsold fish and fish offal are converted into fish meal and manure.

III.—WATER SUPPLY.

1. Source of supply for (a) the port; (b) shipping.

(a) The Swansea, Neath and Briton Ferry Docks derive their water from the respective municipal supplies.

The Port Talbot Docks are supplied from two sources, viz. :—

The Municipal supply and that from the Cwmbrombil Reservoir, the latter being under the control of the Docks and Inland Waterways Executive.

All the water from the above-mentioned sources is chlorinated.

Sixty-one samples of water were taken for bacteriological examination, with the following results :—

	Total	Satisfactory	Unsatisfactory
Swansea Docks	16	14	2
Neath and Briton Ferry	8	4	4
Port Talbot Docks Municipal Supply	15	14	1
Cwmbrombil Supply	22	21	1
	61	53	8

Unsatisfactory samples are reported to the respective Water Authorities. As all the samples are tap samples, the possibility of contamination from the tap packing must be considered. The Cwmbrombil pipe line at Port Talbot has now been repaired, and this supply is again in service.

(b) All shipping is supplied from the above-mentioned sources.

2. Hydrants and hosepipes. What precautions are taken against contamination?

Water mains are laid throughout all the areas of the respective ports. Hydrants are placed conveniently for the supplying of vessels.

Hosepipes are carried to the hydrants on trucks and when not in use are stored in locked receptacles.

3. Number of water boats and their sanitary condition.

No water boats are used in any of the ports under the jurisdiction of the Authority.

SAMPLES OF WATER—SHIPS' TANKS.

Number of samples taken	1
Number of unsatisfactory samples taken	1

The sample was taken from the tanks of the s.s. "Willowbank." There was no evidence of faecal pollution, but the general bacterial content was high. The ship's tanks were emptied, cleansed and refilled with fresh water.

2. Boarding of vessels on arrival.

The list of infected ports is subject to alteration, depending upon information received.

7. (b) Cleansing of persons and clothing.

The Swansea Social Welfare Institution is no longer available following its re-allocation under the National Health Act. The cleansing station at Trinity Place remains.

(d) Hospital accommodation.

The hospitals are now under the control of the Regional Hospital Board but previous working arrangements remain unchanged.

(e) Ambulance Transport.

The local authorities' ambulance services are available.

Number of Seamen Cases admitted for Treatment at the Venereal Disease Clinics.

SWANSEA CLINIC.						PORT TALBOT CLINIC.					
			1946	1947	1948				1946	1947	1948
Syphilis ..	..	..	40	67	68	Syphilis ..	..	..	11	10	13
Soft Chancre ..	..	..	7	10	15	Soft Chancre ..	..	..	3	—	2
Gonorrhoea ..	..	..	136	130	133	Gonorrhoea ..	..	..	39	24	37
Others ..	..	..	51	65	78	Others ..	..	..	1	1	38
TOTALS ..	..	..	234	272	294	TOTALS ..	..	..	54	35	90

TABLE C.

Cases of Infectious Sickness landed from Vessels.

Disease	Number of Cases during the year		Number of Vessels concerned	Average Number of cases for previous 5 years
	Passengers	Crew		
Cerebro-Spinal Fever	—	—	—	0·4
Chickenpox	—	—	—	0·4
Diphtheria	—	—	—	0·2
Glandular Fever	—	—	—	0·2
Measles	—	1	1	1·6
Malaria	—	—	—	1·0
Mumps	—	—	—	1·4
Pneumonia	—	—	—	1·6
Scarlet Fever	—	—	—	0·2
Tuberculosis	—	1	1	0·6
TOTALS	—	2	2	7·6

MEASLES.

"Alhama," s.s.

Arrived King's Dock, April 24th. An Ordinary Seaman was removed to Hill House Isolation Hospital.

TUBERCULOSIS.

"Carlsbad," s.s.

Arrived King's Dock, April 29th. A fitter was removed to Tawe Lodge Hospital.

TABLE D.

Cases of Infectious Sickness occurring on Vessels during the voyage but disposed of prior to arrival.

Disease	Number of Cases during the year		Number of Vessels concerned	Average Number of cases for previous 5 years
	Passengers	Crew		
Diphtheria	—	—	—	0·4
German Measles	—	—	—	0·2
Malaria	—	—	—	0·8
Measles	—	—	—	0·4
Mumps	—	—	—	0·8
Pneumonia	—	—	—	1·6
Typhoid Fever	—	—	—	0·4
TOTALS	—	—	—	4·6

RETURN OF CASES OF SICKNESS OR INJURY FOUND
ON VESSELS ENTERING THE PORT OR OCCURRING
DURING STAY IN PORT.

Abscess Ear	1
Adenitis	1
Appendicitis	1
Boils	3
Bronchial Catarrh	2
Bronchitis	1
Burns	1
Cold	5
Colic	1
Conjunctivitis	2
Coronary Thrombosis	2
Dermatitis	1
Diarrhoea	1
Diarrhoea and Vomiting	1
Duodenal Ulcer	1
Dyspepsia	3
Epididymitis	2
Erythema Nodosum	1
Fibrositis	1
Gastric Ulcer	1
Haemorrhoids	1
Herpes	1
Injury	10
Lumbago	2
Malaise	2
Measles	1
Mental Illness	1
Nephritis	1
Neuralgia	1
Pain in back, for diagnosis	1

					<i>Brought forward</i>	..	..	53
Quinsey	..	..	..	..	..	..	..	1
Renal Calculus	..	..	..	..	..	..	..	1
Rheumatism	..	..	..	..	..	..	..	1
Sea Sickness	..	..	..	..	..	..	..	1
Scabies	..	..	..	..	..	..	..	1
Septic Finger	..	..	..	..	..	..	..	1
Septic Leg	..	..	..	..	..	..	..	1
Superficial Abscess	..	..	..	..	..	..	..	3
Tonsillitis	..	..	..	..	..	..	..	4
Toothache	..	..	..	..	..	..	..	1
Tuberculosis (Pulmonary)	..	..	..	..	..	..	..	1
Venereal Disease	..	..	..	..	..	..	..	48
Vertigo	..	..	..	..	..	..	..	1
								<hr/>
					TOTAL	..	..	118
								<hr/>

Of the above, 61 were treated in hospital or at Clinic, 10 proceeded to their homes, and 47 were treated on board.

SWANSEA

Date 1948.	Name of Vessel.	Reg. Tons.	Nationality.	Where from.	No. of Persons on board.	Nature of Illness or Casualty	Remarks
Jan. 29	Wave Emperor, s.s. . .	4,566	British . .	Abadan . .	75	Renal Calculus . .	Attended by Federation Doctor.
Feb. 14	Masso, 21, m.tr. . .	80	Spanish . .	Sea . .	14	Injury Hand . .	Attended by private practitioner.
" 15	Ophir, s.s. . .	173	British . .	Waterford . .	10	Injury Ankle . .	Attended by Federation Doctor.
" 20	Clyne Castle, s.tr. . .	116	British . .	Kinsale and Sea . .	12	Cold . .	Attended by Federation Doctor.
Mar. 3	Mercurius, m.v. . .	212	Dutch . .	Manchester . .	11	Venereal Disease . .	Referred to Clinic.
" 15	Pedrito, s.tr. . .	50	Spanish . .	Pasages . .	12	Venereal Disease . .	Referred to Clinic.
" 22	Lewis Emery, s.s. . .	4,380	U.S.A. . .	Cork . .	37	Cold . .	Attended by private practitioner.
" 29	British Major, m.v. . .	4,908	British . .	Abadan . .	51	Gastric Ulcer . .	Attended by Federation Doctor.
April 5	The Emperor, s.s. . .	584	British . .	Belfast . .	15	Rheumatism . .	Attended by Federation Doctor.
" 6	Biervliet, s.s. . .	233	Dutch . .	Milford Haven . .	12	Injury Back . .	Attended by private practitioner.
" 12	Maria Domingez Macaya, s.tr. . .	84	Spanish . .	Vigo and Sea . .	13	Venereal Disease . .	Referred to Clinic.
" 24	Alhama, s.s. . .	1,295	British . .	Liverpool . .	32	Measles . .	Removed to Hill House Isolation Hospital
" 28	Mary Rosa, s.tr. . .	125	Spanish . .	Vigo . .	12	Venereal Disease . .	Referred to Clinic.
" 29	Arpon, m.tr. . .	84	Spanish . .	Pasages . .	12	Tonsillitis . .	Referred to Clinic.
" 29	Carlsbad, s.s. . .	6,301	Panaman-ian	Abadan . .	55	Tuberculosis (Pulmonary)	Attended by private practitioner.
May 15	Manchester Division, s.s. . .	3,754	British . .	Montreal . .	54	Epididymitis . .	Referred to Tuberculosis Officer.
" 18	Taarnholm, s.s. . .	832	Danish . .	Newport . .	20	Scabies . .	Attended by Federation Doctor.
" 18	Rodney Baxter, s.s. . .	1,041	British . .	Bordeaux . .	30	Venereal Disease (5 cases)	Treated at General Hospital.
" 18	Ana Mari, s.tr. . .	91	Spanish . .	Pasages . .	13	Venereal Disease . .	Referred to Clinic.

DETAILS OF CASES OF SICKNESS OR INJURY FOUND ON VESSELS ENTERING THE PORT OR OCCURRING DURING STAY IN PORT—continued.

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Date 1948.	Name of Vessel.	Reg. Tons.	Nationality.	Where from.	No. of Persons on board.	Nature of Illness or Casualty	Remarks
May 20	Noeldale, s.s. . .	1,073	British . .	Barry	27	Septic Leg . .	Proceeded home for treatment.
" 25	Pan Europe, m.v. . .	5,659	Norwegian . .	Tripoli	41	Superficial Abscess . .	Attended by private practitioner.
" 27	Macaya Be, m.tr. . .	60	Spanish . .	Pasages	12	Epididymitis . .	Removed to Tawe Lodge Hospital.
June 2	Mount Orford Park, s.s.	4,220	British . .	Belfast	46	Mental Illness . .	Removed to Cefn Coed Mental Hospital.
" 3	Katholm, s.s. . .	864	Danish . .	Newport	22	Tonsillitis . .	Attended by private practitioner.
" 7	Pena Vicja, s.tr. . .	72	Spanish . .	Pasages	13	Veneral Disease . .	Referred to Clinic.
" 15	Iglesias I, m.tr. . .	49	Spanish . .	Vigo	13	Dyspepsia . .	Attended by private practitioner.
" 16	Woodesse, s.tr. . .	128	British . .	Berchaven and Sea . .	13	Conjunctivitis . .	Proceeded home for treatment.
" 28	Tourmaline, s.s. . .	273	British . .	Hamburg	11	Veneral Disease . .	Referred to Clinic.
" 28	Ila, m.v. . .	591	Norwegian . .	Cartagena	20	Veneral Disease . .	Referred to Clinic.
" 30	Ino, m.v. . .	496	British . .	Rotterdam via Newport	14	Veneral Disease . .	Referred to Clinic.
July 2	Constante Barreiro, 7, s.tr. . .	31	Spanish . .	Vigo	11	Injury Head . .	Attended by private practitioner.
" 2	Nandi, s.s. . .	4,939	British . .	Montreal	47	Dyspepsia Haemorrhoids . .	Removed to Tawe Lodge Hospital. Attended by Federation Doctor.
" 17	Dashwood, s.s. . .	1,113	British . .	Nantes	23	Duodenal Ulcer . .	Removed to Morrision Hospital.
" 24	City of Poona, m.v. . .	7,051	British . .	Port Pirie via Liverpool	91	Fibrositis . .	Attended by Federation Doctor.
" 28	British Empress, m.v.	4,988	British . .	Abadan	51	Adenitis . .	Attended by Federation Doctor.
Aug. 5	Juan Miguel, m.tr. . .	68	Spanish . .	Bilbao	12	Dyspepsia . .	Attended by private practitioner.
" 24	Tenby Castle, s.tr. . .	117	British . .	Sea and Valentia . .	12	Injury Eye . .	Proceeded home for treatment.
" 30	Polly, s.s. . .	455	Danish . .	Garston	17	Quinsey . .	Removed to Tawe Lodge Hospital.
Sept. 6	Beaumaris Castle, s.tr.	113	British . .	Berchaven and Sea . .	15	Abscess Ear . .	Attended by Federation Doctor.

Date 1948.	Name of Vessel.	Reg. Tons.	Nationality.	Where from.	No. of Persons on board.	Nature of Illness or Casualty	Remarks
Sept. 9	Hervor Bratt, s.s.	727	Swedish	Gothenborg via Bristol	25	Venereal Disease	Referred to Clinic.
" 14	Stanwell, s.s.	6,286	British	Abadan	46	Superficial Abscess	} Attended by Federation Doctor.
" 16	Ogre, s.s.	167	British	Penryn	11	Herpes Venereal Disease	
" 24	Arnold Bratt, s.s.	766	Swedish	Newport	25	Venereal Disease	Referred to Clinic.
Oct. 5	Moveria, m.v.	2,873	British	Montreal	46	Appendicitis	Removed to General Hospital.
" 7	Parita II, s.s.	1,221	Panaman-ian	Newport	22	Venereal Disease	Referred to Clinic.
" 14	City of Newcastle, s.s.	4,445	British	East African Ports via Liverpool and Avonmouth	73	Lumbago (2 cases) Bronchial	} Attended by Federation Doctor.
" 23	Jorgen, s.s.	500	Danish	Avonmouth	17	Catarrh (2 cases) Venereal Disease	
Nov. 2	Bifrost, s.s.	1,011	Swedish	Lorient	24	Erythema Nodosum	Removed to Morriston Hospital.
" 8	Albistan, s.s.	3,262	British	Bahrain and Persian Gulf Ports	58	Cold (3 cases)	Attended by Federation Doctor.
" 11	Beau, m.v.	5,563	Norwegian	Tripoli (Lebanon)	42	Malaise (2 cases)	Attended by private practitioner.
" 13	Red Bank, s.s.	6,311	British	Abadan	56	Nephritis	Attended by Federation Doctor.
" 19	Pan Europe, m.v.	5,658	Norwegian	Bandar Mashur	44	Superficial Abscess Injury Foot	Proceeded home for treatment.
Dec. 17	Picton Castle, s.tr.	116	British	Sea	12	Injury Hand	Attended by private practitioner, and proceeded home to Norway. Proceeded home for treatment.
PORT TALBOT DISTRICT.							
Jan. 1	Ella, s.s.	1,180	Swedish	Bilbao	27	Venereal Disease (3 cases)	Referred to Clinic.
" 26	Dux, s.s.	942	Norwegian	Bilbao	19	Pain in back, for diagnosis	Removed to Port Talbot General Hospital, afterwards proceeded home to Norway.
Feb. 5	Hedera, s.s.	1,420	Swedish	Algiers	25	Venereal Disease (3 cases)	Referred to Clinic.
" 13	Maystone, s.s.	1,043	British	Bordeaux	23	Venereal Disease	Referred to Clinic.

Date 1948.	Name of Vessel.	Reg. Tons.	Nationality.	Where from.	No. of Persons on board.	Nature of Illness or Casualty	Remarks
Mar. 3	Nocidale, s.s. . .	1,073	British	Bordeaux	26	Tonsillitis	Removed to Port Talbot General Hospital.
" 8	Karmas, m.v.	1,851	Swedish	Narvik	32	Injury Head	Attended by private practitioner.
" 12	Drakedene, m.v.	189	British	Rosslare	9	Veneral Disease	Referred to Clinic.
" 13	Empire Tees, s.s.	1,819	British	Algiers	35	Veneral Disease (3 cases)	Referred to Clinic.
April 6	Kajtum, m.v.	1,861	Swedish	Narvik	33	Dermatitis	Attended by private practitioner.
" 12	Federal Trader, s.s.	1,658	Canadian	Oran	34	Veneral Disease (3 cases)	Referred to Clinic.
" 12	Somerset Brook, m.v.	238	British	Southampton	11	Sea Sickness	Attended by private practitioner.
" 16	Triton, s.s.	1,089	Swedish	Mega Livahdi (Greece)	24	Bronchitis	Attended by private practitioner.
" 20	Selskar, s.s.	1,210	British	Bordeaux	25	Boil	Attended by Federation Doctor.
May 10	Sea Fisher, s.s.	1,643	British	Bilbao	31	Veneral Disease	Referred to Clinic.
May 14	Penhale, s.s.	2,451	British	Algiers	40	Veneral Disease (2 cases)	Referred to Clinic.
" 19	Baron Elibank, s.s.	1,461	British	Algiers	35	Injury Groin	Attended by Federation Doctor.
" 24	Teresa Schiaffino, s.s.	3,119	Italian	Casablanca	37	Burns	Attended by private practitioner.
June 3	Ballyholme Bay, s.s.	721	British	Leixoes	22	Conjunctivitis	Attended by private practitioner.
" 10	Baron Elgin, s.s.	2,364	British	Algiers	37	Colic	Attended by Federation Doctor.
" 28	Lakewood, s.s.	251	British	Hamburg	11	Veneral Disease (2 cases)	Referred to Clinic.
July 17	Beatriz, s.s.	554	Panamanian	Leixoes	18	Veneral Disease (2 cases)	Referred to Clinic.

Date 1948.	Name of Vessel.	Reg. Tons.	Nationality.	Where from.	No. of Persons on board.	Nature of Illness or Casualty	Remarks
July 20	Kheti, m.v. . .	1,454	British . .	Istanbul via Mega Livahdi (Greece)	34	Vertigo . .	Attended by Federation Doctor.
" 29	Vindeggen, m.v. . .	1,104	Norwegian	Mega Livahdi (Greece)	32	Boil . .	Attended by private practitioner.
" 29	Cygnat, s.s. . .	2,329	Panamanian	Algiers . .	33	Veneral Disease Toothache . .	Referred to Clinic. Referred to dental surgeon.
Aug. 16	Stella Maris, s.s. . .	489	Panamanian	Leixoes . .	16	Veneral Disease . .	Referred to Clinic.
Sept. 14	Radmar, s.s. . .	2,250	British . .	Casablanca . .	38	Neuralgia Diarrhoea . .	} Attended by Federation Doctor.
" 14	Varegg, s.s. . .	539	Norwegian	Trapani . .	15	Veneral Disease . .	
Sept. 27	Hedda, s.s. . .	933	Swedish . .	Bilbao . .	19	Diarrhoea and Vomiting	Attended by private practitioner.
" 30	Lysaker IV, s.s. . .	973	Norwegian	Almeria . .	19	Veneral Disease Septic Finger	Referred to Clinic. Attended by private practitioner.
Nov. 10	Tautra, s.s. . .	1,019	Norwegian	Bordeaux . .	22	Veneral Disease . .	Admitted to Royal Hamadryad Seamen's Hospital, Cardiff.
" 19	Hawkinge, s.s. . .	1,640	British . .	Ardrossan . .	31	Boil . .	Attended by Federation Doctor.
" 22	Orneborg, s.s. . .	1,055	Danish . .	Santander . .	21	Coronary Thrombosis	Died suddenly on board, after being under care of private practitioner.
Dec. 22	Holmside, s.s. . .	1,579	British . .	Bilbao . .	29	Veneral Disease . .	Referred to Clinic.
" 31	Moss Rose, s.s. . .	342	British . .	Dublin . .	13	Coronary Thrombosis	Died on entering port.
NEATH DISTRICT.							
Sept. 7	Bes, s.s. . .	278	Danish . .	Bilbao . .	18	Veneral Disease . .	Referred to Clinic.

V.—MEASURES AGAINST RODENTS.

1. Steps taken for detection of rodent plague :—(a) In ships in the port ; (b) on quays, wharves, warehouses, etc., in the vicinity of the port.

Inquiries are made as to mortality amongst rats on board ships.

Vessels, quays, wharves, warehouses, etc., are systematically searched for dead rats and any found are sent to the pathologist for examination.

2. Measures taken to prevent the passage of rats between ships and the shore.

Where signs of infestation of any considerable degree are detected or information of the likelihood of such infestation obtained, vessels are fendered off from shore and guards fitted to mooring ropes.

3. Methods of deratisation of (a) Ships ; (b) Premises in the vicinity of docks or quays.

(a) By fumigation with Hydrogen Cyanide or Sulphur Dioxide.

(b) The Docks and Inland Waterways Executive and Messrs. Weaver's Limited (Flour Mills), maintain rat catchers.

4. Measures taken for the detection of rat prevalence in ships and on shore.

The Port Health rat searcher carries out continual inspection and diagnostic trapping on ships. The rodent operatives of the adjoining local authorities are responsible for the shore rat work.

Rats captured on vessels are examined by Inspectors before cremation, and specimens are selected for bacteriological examination.

Similar measures are adopted when dealing with rats caught on quays, wharves, warehouses, etc., in the vicinity of the port.

5. Rat-proofing.

(a) To what extent are docks, wharves, warehouses, etc., rat-proof ?

Most of the warehouses and transit sheds have been rendered rat-proof by the abolition of wood work and the provision of concrete floors.

(b) Action taken to extend rat-proofing. (1) in ships ; (2) on shore.

(1) When harbourage such as pipe casings, sheathings, wooden floors, dunnage, etc., is found to exist, the master or owners are advised as to remedial measures.

(2) On shore, recently constructed warehouses are designed to reduce harbourage to a minimum, and when the reconstruction of the older types of warehouse has taken place, similar rat-proofing has been carried out.

RATS DESTROYED DURING THE YEAR.

TABLE E.

(1) ON VESSELS.

Number of of Rats	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total in year
Black	23	19	1	10	1	3	16	2	86	7	3	4	175
Brown	—	—	—	—	—	—	—	—	—	—	—	—	—
Species not recorded ..	—	—	—	—	—	—	—	—	—	—	—	—	—
Examined ..	2	6	—	1	1	—	3	—	9	1	1	1	25
Infected with plague ..	—	—	—	—	—	—	—	—	—	—	—	—	—

(34 mice were destroyed on 4 vessels).

TABLE F.

(2) IN DOCKS, QUAYS, WHARVES AND WAREHOUSES.

Represents shore rat work carried out by the Swansea and Neath Local Authorities.

Number of Rats	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total in year
Black	69	29	47	31	87	31	70	17	65	30	27	60	563
Brown	232	101	401	329	699	820	1,010	240	610	401	607	277	5,727
Species not recorded ..	—	—	—	—	—	—	—	—	—	—	—	—	—
Examined ..	2	3	6	10	5	5	2	9	7	5	1	4	59
Infected with plague ..	—	—	—	—	—	—	—	—	—	—	—	—	—

RATS, FROM VESSELS, BACTERIOLOGICALLY EXAMINED.

Date	Name of Vessel	Where from	Number of Rats destroyed	Number of Rats examined	Result
1948					
Jan. 9	Orangeleaf, s.s.	Methil	4	1	No bacillus pestis
„ 29	Clan Allan, s.s.	India, via London and Antwerp ..	1	1	do.
Feb. 5	Tetela, s.s.	Avonmouth	1	1	do.
„ 11	Fort Wrangell, s.s.	Plymouth	4	1	do.
„ 11	Ocean Vulcan, s.s.	Falmouth	1	1	do.
„ 13	Empire Penryn, s.s.	Newport	8	1	do.
„ 18	Kellwyn, s.s.	Hamburg	6	2	do.
Apr. 5	Blairdevon, s.s.	Emden	10	1	do.
May 26	Fort Covington, s.s.	Hamburg	1	1	do.
July 5	Pencarrow, s.s.	London	8	2	do.
„ 5	Clan Macbean, s.s.	Boulogne	7	1	do.
Sept. 3	Germa, s.s.	Singapore	59	4	do.
„ 20	Marietta, s.s.	Liverpool	19	3	do.
„ 28	Brazen Head, s.s.	Tunis	12	2	do.
Oct. 22	Parita I, s.s.	Ghent	1	1	do.
Nov. 18	Cliona, m.v.	Curacao via Rotterdam	3	1	do.
Dec. 16	Eskgarth, s.s.	Garston	4	1	do.

RATS FROM DOCKS, WAREHOUSES, ETC., BACTERIOLOGICALLY EXAMINED.

Warehouses, Wharves, etc.	Docks	Number of Rats destroyed	Number of Rats examined	Result
Coastlines Shed	South	50	—	—
Consolidated Fisheries	do.	150	5	No bacillus pestis.
C.R.S. Shed	do.	101	—	—
Cambrian Dry Dock	do.	22	3	No bacillus pestis.
Easton Bros.	do.	37	—	—
Geen's Foundry	do.	15	—	—
Sand and Gravel	do.	—	—	—
South Dock Canteen	do.	2	—	—
South Dock Curing House	do.	3	—	—
South Dock Dry Dock	do.	—	—	—
South Dock Platelayers' Cabin	do.	7	—	—
S.P.D. Shed	do.	15	—	—
North Dock	North	150	13	No bacillus pestis.
North Dock Basin	do.	325	7	do.
Easton Bros.	do.	6	—	—
By Messrs. Weaver & Co., Ltd.	do.	544	24	No bacillus pestis.
Wilmor's Mill	King's	33	—	—
"A" and "B" Sheds	do.	270	—	—
"C" and "D" Sheds	do.	401	—	—
G.W.R. Power House	do.	5	—	—
King's Lock Area	do.	27	4	No bacillus pestis.
Palmer's Dry Dock	do.	15	—	—
Waterman's Cabin	do.	12	—	—
Fitters' Cabin	do.	17	—	—
Fitters' Workshop	do.	21	—	—
G.W.R. Messroom and Platelayers' Cabin	P. Wales	13	—	—
"H" Shed	do.	160	—	—
Harbour Road Area	do.	1,149	—	—
"I" and "J" Sheds	do.	299	—	—
"K" Shed	do.	175	—	—
New Cut Bridge Area	do.	194	1	No bacillus pestis.
Petolite Yard	do.	60	—	—
P.W. Dock Canteen	do.	—	—	—
P.W. Dry Dock Area	do.	270	—	—
Wiremen's Cabin	do.	15	—	—
Queen's Dock	Queen's	320	2	No bacillus pestis.
Queen's Dock Breakwater	do.	170	—	—
Queen's Dock Fishmeal Factory	do.	75	—	—
Riverside	do.	840	—	—
East Pier	do.	70	—	—
West Pier	do.	130	—	—
Neath District	—	122	—	—
TOTAL		6,290	59	

TABLE G.

MEASURES OF RAT DESTRUCTION ON PLAGUE "INFECTED" OR "SUSPECTED" VESSELS OR VESSELS FROM PLAGUE INFECTED PORTS ARRIVING IN THE PORT DURING THE YEAR.

Total Number of such vessels arriving	Number of such vessels fumigated by SO ₂	Number of Rats killed	Number of such vessels fumigated by H.C.N.	Number of Rats killed	Number of such vessels on which trapping, poisoning, etc., were employed	Number of Rats killed	Number of such vessels on which measures of Rat destruction were not carried out
—	—	—	—	—	—	—	—

No plague "infected" or "suspected" vessel arrived during the year.

TABLE H.

DERATISATION CERTIFICATES AND DERATISATION EXEMPTION CERTIFICATES ISSUED
DURING THE YEAR.

Net Tonnage	No. of Ships	No. of Deratisation Certificates issued					No. of Derat-isation Exemp-tion Certi-ficates Issued	Total Certi-ficates Issued
		After fumigation with			After Trapping, Poisoning, etc.	Total		
		H.C.N.	Sulphur	H.C.N. and Sulphur				
Ships up to 300 tons	33	—	—	—	—	—	33	33
„ from 301 to 1,000 tons ..	19	—	—	—	—	—	19	19
„ from 1,001 to 3,000 tons ..	38	7	—	—	—	7	31	38
„ from 3,001 to 10,000 tons ..	46	7	—	—	—	7	39	46
„ over 10,000 tons	—	—	—	—	—	—	—	—
TOTALS ..	136	14	—	—	—	14	122	136

NUMBER OF CERTIFICATES ISSUED FROM INDIVIDUAL PORTS UNDER THE JURISDICTION
OF THE AUTHORITY.

Net Tonnage	Swansea	Neath	Port Talbot	* Llanelly	Total
Ships up to 300 tons	18	—	14	1	33
„ from 301 to 1,000 tons	14	—	5	—	19
„ from 1,001 to 3,000 tons	18	—	20	—	38
„ from 3,001 to 10,000 tons	43	—	3	—	46
„ over 10,000 tons	—	—	—	—	—
TOTALS	93	—	42	1	136

* This port is not under the jurisdiction of the Authority except for the issue of deratisation and deratisation exemption certificates.

VI.—HYGIENE OF CREWS' SPACES.

TABLE J.

CLASSIFICATION OF NUISANCES.

Nationality of Vessel	Number inspected during the year	Defects of original construction	Structural defects through wear and tear	Dirt, vermin and other conditions prejudicial to health
BRITISH	2,714	9	121	213
OTHER NATIONS	1,312	5	8	38

NUMBER OF VESSELS INSPECTED, BRITISH AND FOREIGN, AT THE RESPECTIVE PORTS,
TOGETHER WITH THE NUMBER OF NUISANCES AND DEFECTS DEALT WITH AND THE
TOTAL POPULATIONS.

District	Number of Vessels			Number of nuisances and Defects dealt with	Number of persons on board vessels inspected
	British	Foreign	Total		
SWANSEA	2,171	1,049	3,220	315	53,018
NEATH	—	17	17	—	208
PORT TALBOT	539	246	785	79	12,045
PORTHCAWL	4	—	4	—	230
TOTALS	2,714	1,312	4,026	394	65,501

NATIONALITY OF VESSELS INSPECTED.

Nationality	SWANSEA			NEATH			PORT TALBOT			PORTHCAWL		
	Steam	Motor	Total	Steam	Motor	Total	Steam	Motor	Total	Steam	Motor	Total
Belgian ..	17	9	26	—	—	—	1	1	2	—	—	—
British ..	1,576	595	2,171	—	—	—	365	174	539	1	3	4
Canadian ..	6	1	7	—	—	—	2	—	2	—	—	—
Danish ..	29	2	31	1	—	1	11	—	11	—	—	—
Dutch ..	11	159	170	—	9	9	1	57	58	—	—	—
Eireann ..	30	10	40	—	—	—	22	7	29	—	—	—
Finnish ..	6	2	8	—	—	—	1	1*	2	—	—	—
French ..	28	2	30	—	—	—	52	—	52	—	—	—
German ..	2	2	4	—	—	—	—	—	—	—	—	—
Greek ..	11	—	11	—	—	—	1	—	1	—	—	—
Italian ..	1	—	1	—	—	—	3	—	3	—	—	—
Maltese ..	3	—	3	—	—	—	—	—	—	—	—	—
Norwegian	44	18	62	—	2	2	29	2	31	—	—	—
Panamanian	13	1	14	—	—	—	13	—	13	—	—	—
Polish ..	1	—	1	—	—	—	1	—	1	—	—	—
Portuguese	—	—	—	—	—	—	1	—	1	—	—	—
Spanish ..	19	541	560	1	4	5	2	—	2	—	—	—
Swedish ..	45	8	53	—	—	—	12	26	38	—	—	—
U.S.A. ..	17	1	18	—	—	—	—	—	—	—	—	—
U.S.S.R. ..	10	—	10	—	—	—	—	—	—	—	—	—
TOTALS ..	1,869	1,351	3,220	2	15	17	517	268	785	1	3	4

* Sailing Vessel.

Nuisances and defects found on vessels inspected, numbered 394, of which 374 were remedied. 151 written informal notices and 35 oral instructions were issued. Written notice is served in every case except where the nuisance is being remedied forthwith. To enforce compliance with these notices and to investigate cases of sickness, 555 revisits were made by the Inspectors.

NUISANCES AND DEFECTS DEALT WITH.

Nature of Nuisance or Defect	Swansea	Neath	Port Talbot	Porth-cawl	Total
Forecastles, berths, cleaned, painted, etc. . .	41	—	12	—	53
Defective and dirty bunks in forecastles . .	6	—	—	—	6
Defective forecastle and berth doors . .	3	—	3	—	6
Waterclosets cleaned, painted, etc. . .	8	—	5	—	13
Defective and dirty fish rooms in steam trawlers	5	—	—	—	5
Oil from steering flat leaking into sailors' cabin	1	—	—	—	1
Damp quarters caused by leaky decks over berths, unlined iron decks over berths, and defective wood lining	21	—	3	—	24
Defective bulkheads and floors in crews' spaces and W.C.'s	—	—	1	—	1
Insufficient lighting, defective side ports, deck prisms, etc.	30	—	6	—	36
Insufficient heating, defective stoves and stove pipes, radiators, etc.	24	—	4	—	28
Defective drainage, seats, doors, ventilation, pans, troughs, flushing, light, soil pipes, etc., in W.C.'s	63	—	8	—	71
Defective drainage in forecastles and berths	5	—	—	—	5
Verminous forecastles and berths	72	—	22	—	94
Foul accumulations on decks and quays . .	2	—	—	—	2
Dirty messrooms, bathrooms, lavatories and wash-houses	3	—	10	—	13
Leaking water pipe in wash-house	1	—	—	—	1
Insufficient seating accommodation in firemen's messroom	1	—	—	—	1
Defective wash-hand basins and waste pipes	1	—	—	—	1
Defective fresh water supply pipes and valves	1	—	—	—	1
Defective shower bath	1	—	—	—	1
Defective fresh water pumps	2	—	—	—	2
Defective or dirty water tanks	5	—	3	—	8
Steam pipe leaking into alleyway	5	—	—	—	5
Insufficient ventilation of crews' spaces . .	3	—	—	—	3
Defective ventilators in crews' spaces . .	4	—	—	—	4
Defective and dirty vegetable lockers, provision store-rooms, pantries, food-bins, etc.	2	—	—	—	2
Defective or dirty food lockers	2	—	2	—	4
Defective refrigerator	1	—	—	—	1
Defective or dirty cooks' galleys	2	—	—	—	2
TOTALS	315	—	79	—	394

CO-OPERATION BETWEEN PORT HEALTH AUTHORITIES.

Information regarding sanitary defects, rodent infestation, etc., is received from and sent to other Port Health Authorities.

FUMIGATION OF VESSELS.

The Swansea County Borough has continued to act as a contractor for the Cyanide fumigation of vessels. This work by direct administration has given every satisfaction. The Zyklon method is the one adopted.

A total of 27 vessels were subjected to fumigation. 23 were fumigated by the Swansea Corporation Health Department for rats, mice, bugs, cockroaches, fleas, flies and white ants, and 4 by private contractors for rats, cockroaches and bugs.

HYDROGEN CYANIDE FUMIGATIONS UNDERTAKEN BY THE
SWANSEA CORPORATION HEALTH DEPARTMENT.

Number of Vessels	Area of Fumigation	Infestation for which fumigation was carried out
3	Whole ship	Rats.
1	Poop space	do.
3	Whole ship	Rats and cockroaches.
1	Whole ship except engine-room . .	do.
1	Whole ship except engine-room and stokehold	do.
1	Fore and after peak storerooms, crew's quarters and steering flat	do.
1	Whole ship	Rats, bugs and cockroaches.
1	do.	Rats, cockroaches and flies.
1	do.	Mice and cockroaches.
1	Forecastle	Bugs.
4	Accommodation	do.
1	Sailors' and firemen's quarters . .	Bugs and cockroaches.
1	Whole ship	Bugs, cockroaches and white ants.
2	Accommodation	Cockroaches.
1	Forward and after accommodation	Fleas.

HYDROGEN CYANIDE FUMIGATIONS UNDERTAKEN BY
PRIVATE CONTRACTORS.

Number of Vessels	Area of Fumigation	Infestation for which fumigation was carried out
1	Whole ship except engine-room	Rats.
1	Whole ship	Rats and cockroaches.
1	Engineers' and crews' quarters . .	Bugs.
1	All accommodation, storerooms and pantry	Cockroaches.

10 of the vessels were fumigated during the hours of darkness,
22 vessels fumigated were British and 5 were Foreign.
Of the 27 vessels, 2 were fumigated at Port Talbot.

VII.—FOOD INSPECTION.

1. Action taken under the Public Health (Imported Food) Regulations, 1937, the Public Health (Imported Milk) Regulations, 1926, and the Public Health (Preservatives, etc., in Food) Regulations, 1925 to 1940.

At the fish market, 140,831 cwts., of mixed fish, chiefly from the fishing grounds off the Irish Coast were landed. All fish is inspected at the time of landing. Condemned or unsold fish and fish offal is removed daily to the fish meal factory to be converted into fish manure, etc.

Other foods inspected were grain, cereals, sugar, potatoes, lard, canned and preserved foods. All were found in good condition, except small quantities damaged by sea or other causes. All unsound food withheld from human consumption was, with a few exceptions, disposed of locally. When sent to another district, the consent of the medical officer of health for the receiving district was first obtained.

No milk, to which the above regulations apply, was imported.

Description	Amount of Unsound Food-Stuffs dealt with				How disposed of
	Tons	Cwts.	Qrs.	Lbs.	
Apple Rings	0	0	0	10	Destroyed.
Apricots	0	0	3	13	do.
Beans	0	0	1	20	do.
Beef	0	2	2	20	To tallow factory.
Beetroot	0	0	1	8	Destroyed.
Biscuits	0	1	0	23	do.
Carrots	0	0	3	10	do.
Coffee	0	0	0	14	do.
Crispies	0	0	0	24	do.
Fish	2	8	1	13	To fish meal factory.
Fish (dried)	0	0	3	6	Destroyed.
Flour	0	2	2	0	do.
Fruit (canned)	0	6	1	24	do.
Groceries	0	0	0	25	do.
Kidneys	0	0	0	14	To tallow factory.
Kippers	0	0	0	7	Destroyed.
Mutton	0	4	1	16	To tallow factory.
Offals	0	0	3	14	do.
Ox Livers	0	0	1	4	do.
Peas	0	1	2	9	For animal food.
Pepper	0	0	0	2	Destroyed.
Pork	0	1	3	23	To tallow factory.
Potatoes	0	2	2	0	Destroyed.
Rice	0	1	3	22	For animal food.
Salt	0	1	3	22	do.
Sausages	0	2	0	8	To tallow factory.
Shrimps	0	0	1	7	Destroyed.
Tomatoes	0	0	1	20	do.
Tripe	0	0	0	22	To tallow factory.
Wheat	1	0	0	0	Destroyed.
TOTAL	5	3	3	8	

Pickles 61 gallons Destroyed.

2. Shell-fish. Information respecting any shell-fish beds or layings within the jurisdiction of the P.H.A., stating whether they are in the opinion of the Medical Officer liable to pollution. Report of any action taken under the Public Health (Shell-fish) Regulations, 1934, or the Food and Drugs Act, 1938.

No oyster landings were made within the area of the Authority during the year and no oyster dredgers were licensed by the South Wales Sea Fisheries Committee.

Cockles are obtainable in Swansea Bay, but the beds are not worked as an industry.

The Fisheries Committee sows cockles in the Bay to encourage fish to come in to feed. There is no shell-fish cleansing plant in the area.

No action was taken or required.

3. Number of Samples of Food examined by :—

(a) Bacteriologist—Nil.

(b) Analyst—10.

Nature of Sample.			Result of Examination.
Canned Pears ..	}	{ These samples were free from preservatives. The canned fruits contained only insignificant amounts of tin, in no case more than one grain per pound.
Canned Peaches ..		..
Canned Apricots ..		..
Sultanas .. ..		..

THE PARROTS (PROHIBITION OF IMPORT) REGULATIONS, 1930.

Number of parrots, etc., which came under the notice of the officers during the year	Two
Number of notices issued in respect of parrots, etc. ..	Two
Number exported in respect of notices served	One
Number destroyed	One
Number admitted under Ministry of Health permits ..	Nil
Bodies of birds sent for investigation of Ministry of Health	Nil.
Number transhipped on through bills	Nil.

DANGEROUS DRUGS.

No applications were received.